

Title (en)  
ANGLE MEASURING DEVICE

Title (de)  
WINKELMESSEINRICHTUNG

Title (fr)  
DISPOSITIF DE GONIOMÉTRIE

Publication  
**EP 2329228 A2 20110608 (DE)**

Application  
**EP 09780567 A 20090714**

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Abstract (en)  
[origin: WO2010031608A2] The invention relates to an angle measuring device comprising a first component group (10) and a second component group (20), wherein the component groups (10, 20) are arranged so as to be able to rotate relative to each other through a bearing (11.1, 21, 23, 30). The first component group (10) comprises a housing (11) having a connection device (11.31) and a scanning device (12). The second component group (20) comprises a shaft (21), to which a code disk (22) is fastened, and a flow channel (21.1) having a directional component parallel to the axis (Z). The angle measuring device is configured in such a way that a negative pressure (p0) can be applied to the connection device (11.31) so that a fluid surrounding the angle measuring device at a pressure (P1) flows through the angle measuring device to suck away contaminants. At the applied negative pressure (p0), a first fluid mass flow (m1) flowing through the flow channel (21.1) is greater than a second mass flow (m2) flowing through the bearing gap (S).

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